

Chlorine atom

Inchi: InChI=1S/Cl
InchiKey: ZAMOUSCENKQFHK-UHFFFAOYSA-N
Formula: Cl
SMILES: [Cl]
Mol. weight [g/mol]: 35.45
CAS: 22537-15-1

Physical Properties

Property code	Value	Unit	Source
affp	513.60	kJ/mol	NIST Webbook
basg	490.10	kJ/mol	NIST Webbook
ea	3.61 ± 0.00	eV	NIST Webbook
ea	3.61 ± 0.00	eV	NIST Webbook
ea	3.61 ± 0.00	eV	NIST Webbook
ea	3.61	eV	NIST Webbook
ea	3.72	eV	NIST Webbook
hf	121.30 ± 0.01	kJ/mol	NIST Webbook
ie	12.97	eV	NIST Webbook
ie	12.97 ± 0.00	eV	NIST Webbook
ie	12.97	eV	NIST Webbook
ie	12.97	eV	NIST Webbook
ie	12.97 ± 0.02	eV	NIST Webbook
ie	12.97	eV	NIST Webbook
ie	12.97	eV	NIST Webbook
ie	12.97	eV	NIST Webbook
sgb	165.19 ± 0.00	J/molxK	NIST Webbook

Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C22537151&Units=SI>

Legend

affp:	Proton affinity
basg:	Gas basicity
ea:	Electron affinity
hf:	Enthalpy of formation at standard conditions
ie:	Ionization energy
sgb:	Molar entropy at standard conditions (1 bar)

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